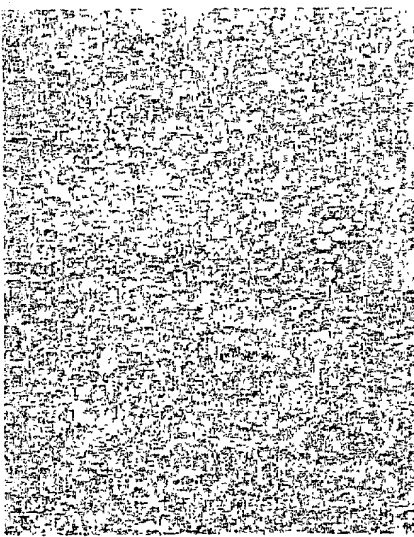


Title: LYTIC PEPTIDE
PRODRUGS

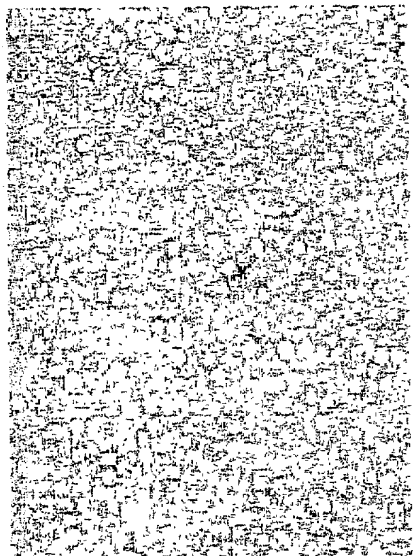
Inventor(s): Xianzhang YU, et al.

DOCKET NO.: 035879-0125

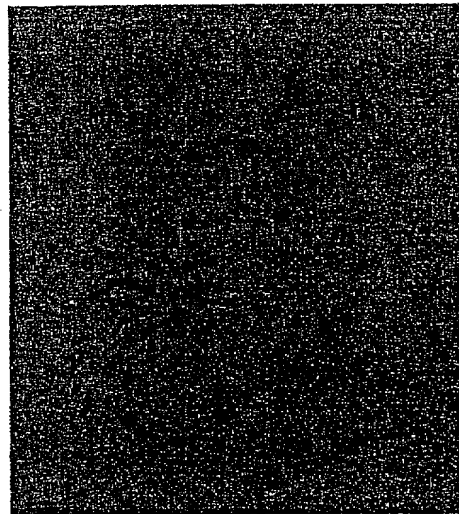
FIG. 1



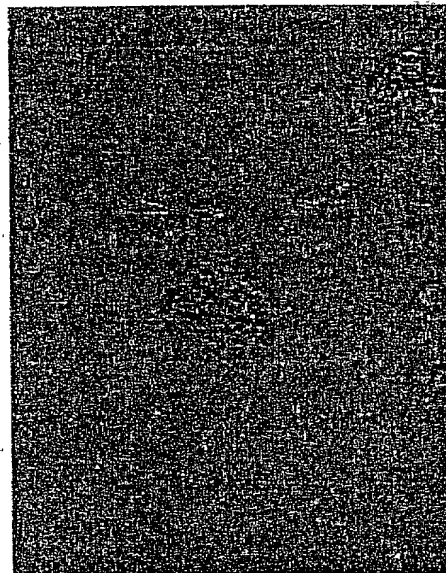
Mouse L Cells after 1 hour in 50 uM
peptide pro-toxin.



Mouse L Cells after 24 hours in 50 uM
peptide pro-toxin.

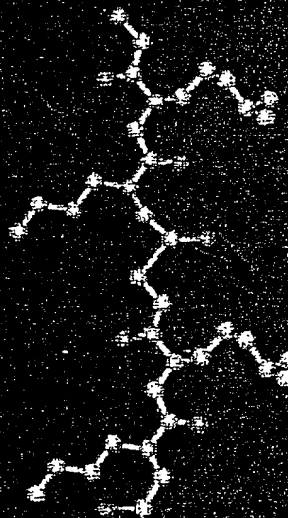


Human LNCaP Cells before peptide
pro-toxin treatment.



Human LNCaP Cells after 15 minutes
treatment with 1 uM peptide pro-toxin.

FIG. 2



The important C-Term sequence in melittin and melittin peptides.

By coupling two glu residues to the two lys epistons amino groups of the two lysines you neutralize their charge and provide two COO- groups to balance the two Arg residues.

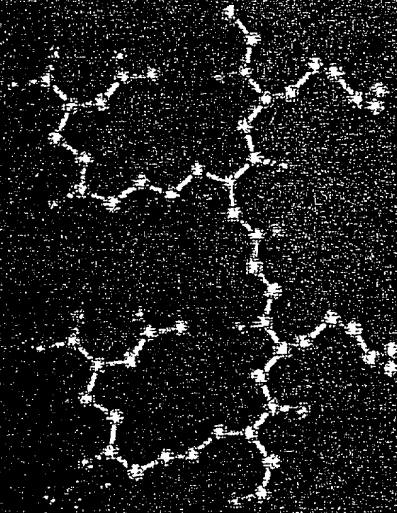


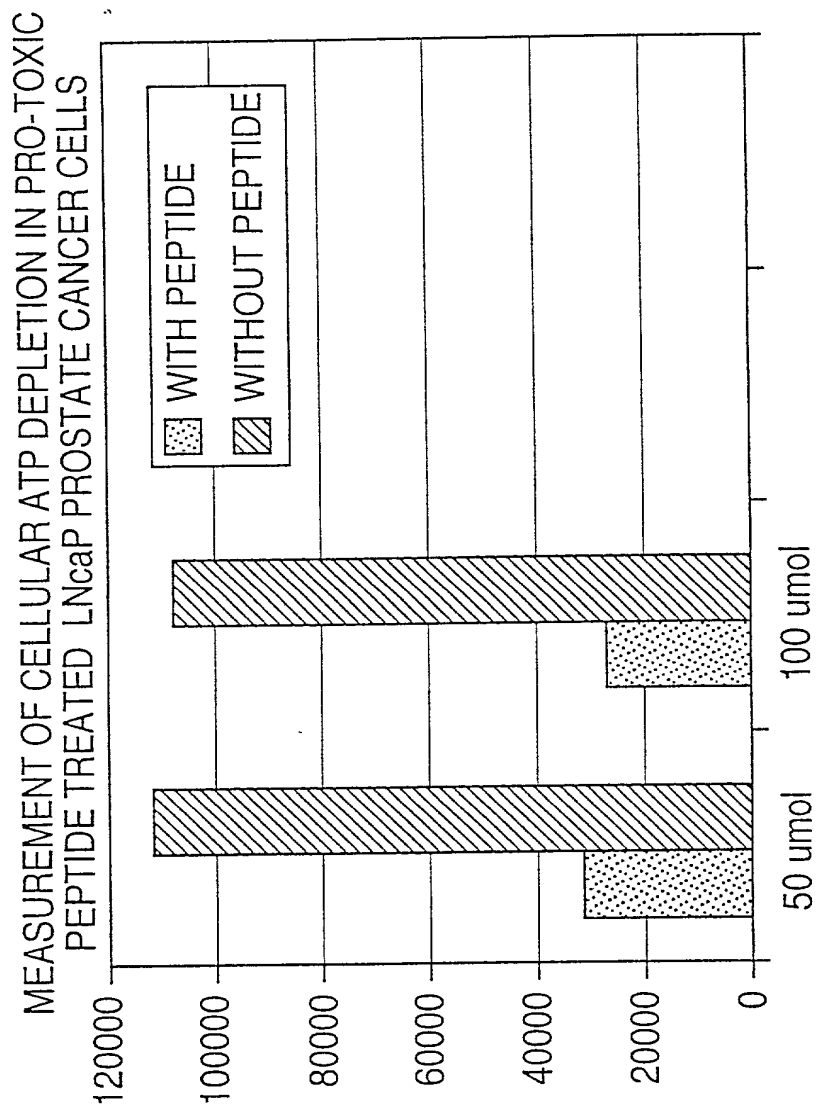
FIG. 3

FIG. 4

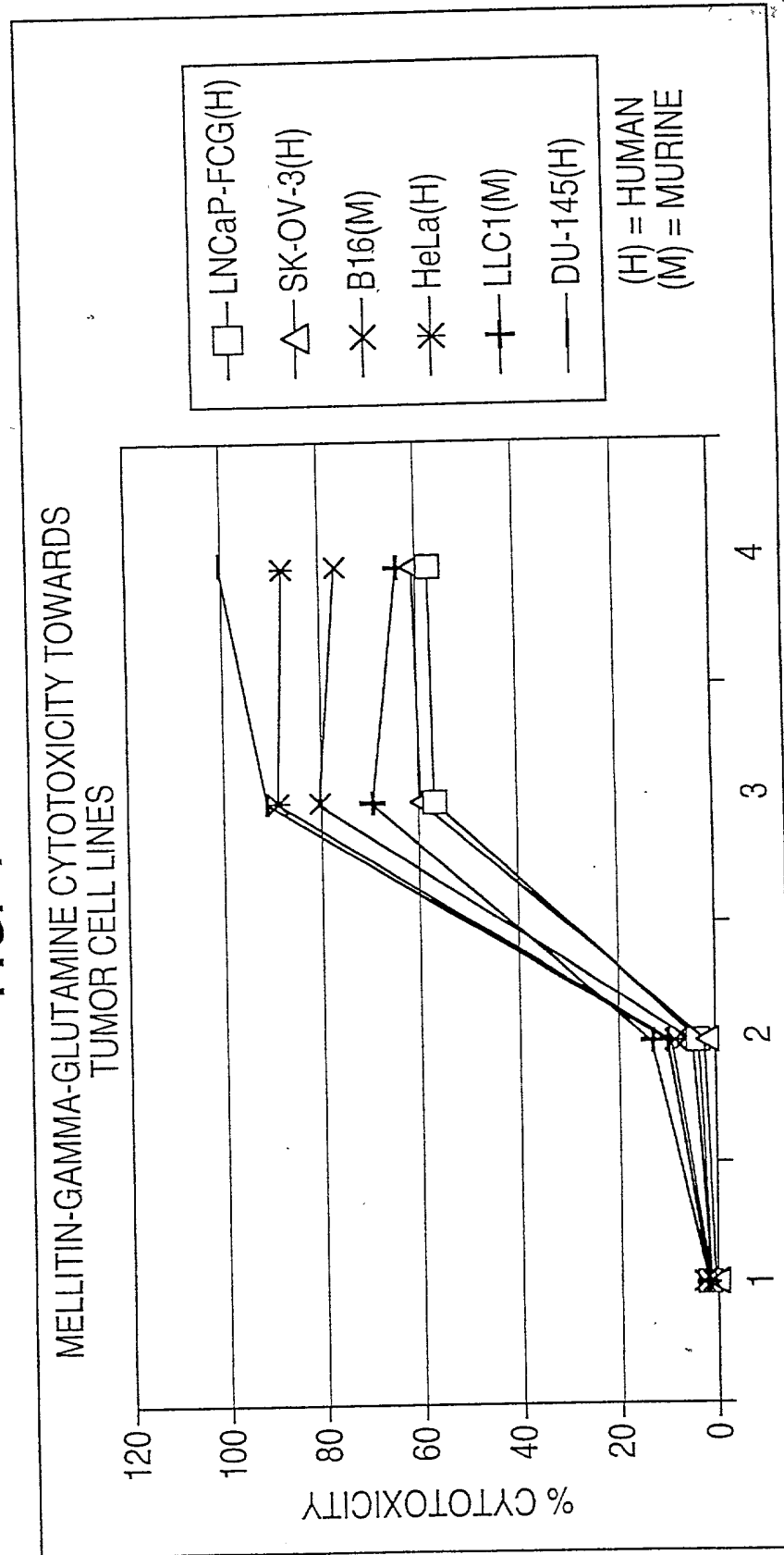


FIG. 5

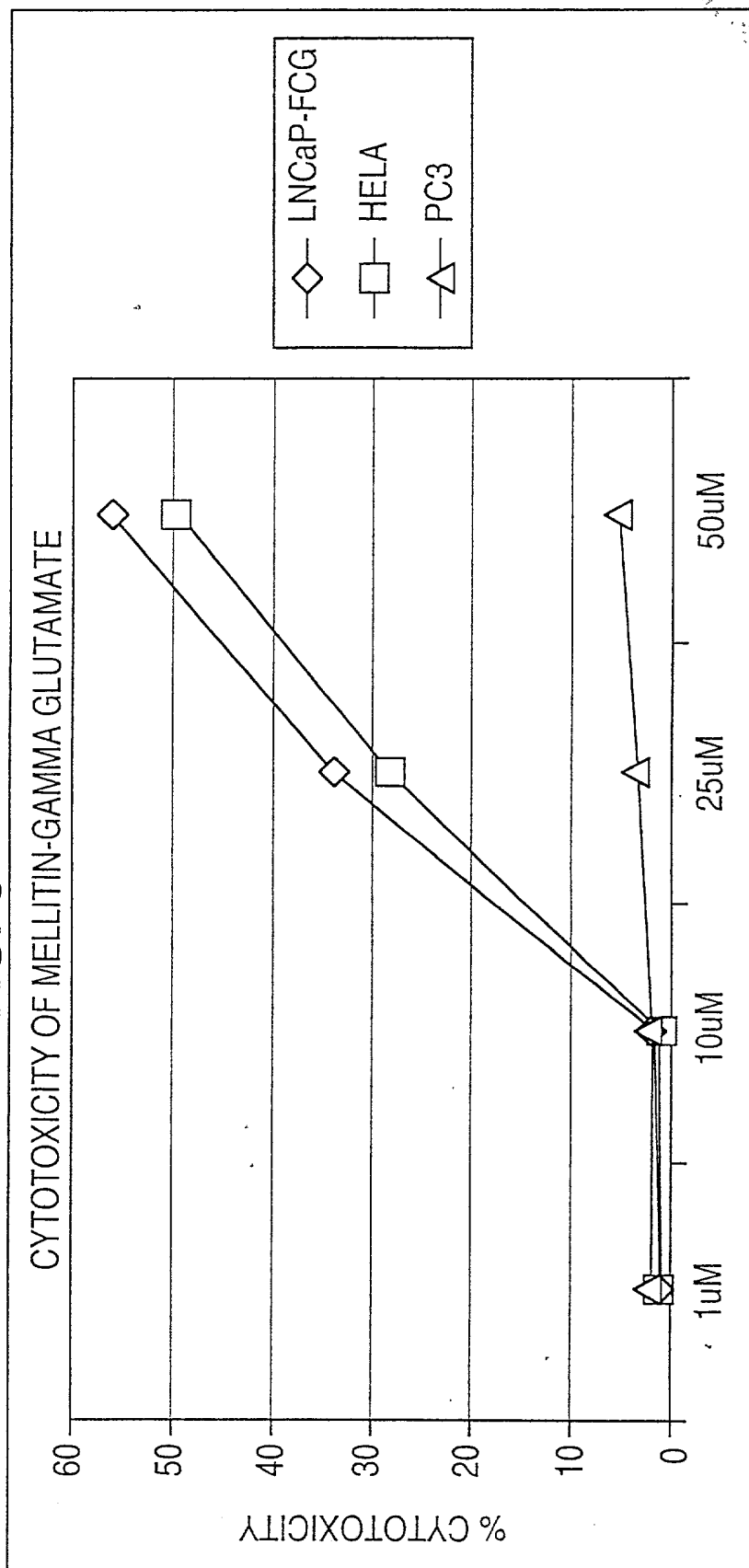


Figure 6
 Four LNCaP-FCG Tumors Treated for Five Weeks with
 Mellitin-Gamma-Glutamate (33mg/kg every other day)
 [treatment initiated at ~2 mm tumor diameter]

